SPACE AND LIFE SCIENCES



D. R. Williams

Date: November 19, 1999

STS-103

Flight Readiness Review Space and Life Sciences Directorate



D. R. Williams

Date: November 19, 1999

STS-103 Space and Life Sciences Activities

- > Crew Health
- > DTO's/DSO's
- Operations Support
- Action Items
- Readiness Statement



D. R. Williams

Date: November 19, 1999

Crew Health

- All Crew Physicals will be completed prior to flight
 - No problems or issues
 - Applicable flight rules are in place

US Flight Surgeon – Denise Baisden

US Deputy Flight Surgeon – Rainer Effenhauser

ESA Flight Surgeons* - Ulrich Straube

- Volker Damann

* Monitor Only — Not Console Qualified



D. R. Williams

Date: November 19, 1999

DTO's/DSO's

The following DSO's have been manifested or scheduled for this flight

DSO 496 – Individual Susceptibility to Post Spaceflight
Orthostatic Intolerance (post flight only)
DSO 498 - Spaceflight and Immune Function
(pre-/postflight only)



D. R. Williams

Date: November 19, 1999

Operational Support

Mission Operations Support

- Flight Surgeon/Biomedical Engineer on-console support is ready
- Video Digital Analysis System (VDAS) Lab ready to support
- Micrometeroid/Orbital Debris (MMOD) ready to support on call for contingency analysis
- Space Radiation Analysis Group(SRAG) ready to support
- Flight Projects Division stowage team ready to support

All Training and Flight procedures have been completed



D. R. Williams

Date: November 19, 1999

Action Items

- There are no open action items.
- > All remaining open work is planned and scheduled.



D. R. Williams

Date: November 19, 1999

The activities required to support Flight STS-103 have been accomplished except for open work identified. The Space and Life Sciences Directorate is ready to support Flight STS-103.

There are no constraints to proceeding with the planned Flight/STS-103 pending completion of scheduled open work.

W. A. Langdoc, Chief Flight Projects Division

J. L. Robinson, Ph.D., Chief Program Integration Office

G. McKay, Ph.D., Chief Earth Science & Solar System Exploration Division

D. Dawson, M.D., Chief, Medical Sciences Division

R. W. Nygren, Associate Director, Space and Life Sciences Directorate

C. M. Stegemoeller, Manager, Human Space & Life Sciences Program Office

David R. Williams, M.D., Director Space and Life Sciences Directorate



Certificate of Flight Readiness

The activities required to support Flight STS-103 have been accomplished except for open work identified. The Space and Life Sciences Directorate is ready to support Flight STS-103.

There are no constraints to proceeding with the planned STS-103 Flight pending completion of scheduled open work.

W. A. Langdoc, Chief, Flight Projects Division

D. Dawson, M.D., Chief, Medical Sciences Division J. L. Robinson, Ph.D., Chief, Program Integration Office

R. W. Nygren, Associate Director, Space and Life Sciences Directorate

G. McKay, Ph.D., Chief, Earth Science & Solar System Exploration Division

C. M. Stegemoeller, Manager, Human Space & Life Sciences Program Office

Dave R. Williams, M.D., FCFP FRCP (C)
Director, Space and Life Sciences Directorate